

Author index to volume 174

- Abe, E. see H. Tanaka 174 (1984) 61
 Abe, see H. Tanaka 174 (1984) 61
 Aberdroth, R.E. see A.M. Cohen 174 (1984) 147
 Adams, P.H. see R.E. Johnson 174 (1984) 11
 Ahmed, S.A., N. Esaki, H. Tanaka and K. Soda, L- α -Amino- β -thio- γ -caprolactam, a new sulfur-containing substrate for α -amino-caprolactam racemase 174 (1984) 76
 Albuquerque, E.X. see Y. Aracava 174 (1984) 267
 Alk, H. see W.F. Brandt 174 (1984) 228
 Anstee, D.J. see K. Ridgwell 174 (1984) 7
 Aracava, Y. and E.X. Albuquerque, Meproadifen enhances activation and desensitization of the acetylcholine receptor-ionic channel complex (AChR): single channel studies 174 (1984) 267
 Baubichon-Cortay, H. see P. Broquet 174 (1984) 43
 Belkien, L. see M. Wiederholt 174 (1984) 211
 Bennett, J. see R.D. Clark 174 (1984) 137
 Bergere, J.-L. see H. Hayes 174 (1984) 284
 Beryl, W. see B.L. Sibanda 174 (1984) 102
 Bikle, D.D., S. Munson and J. Chafouleas, Calmodulin may mediate 1,25-dihydroxyvitamin D-stimulated intestinal calcium transport 174 (1984) 30
 Billeter, M. see E.R.P. Zuiderweg 174 (1984) 243
 Bindra, J.S. see B.L. Sibanda 174 (1984) 102
 Birkenmeier, G., B. Tschechonen and G. Kopperschlager, Affinity chromatography and affinity partition of human serum pre-albumin using immobilized Remazol Yellow GGL 174 (1984) 162
 Birkett, S.D. see R.W. Swann 174 (1984) 262
 Blundell, T. see B.L. Sibanda 174 (1984) 102
 Blundell, T. see L. Pearl 174 (1984) 96
 Blunt, J.W. see P.R. Gooley 174 (1984) 15
 Boelens, R. see E.R.P. Zuiderweg 174 (1984) 243
 Boffey, S.A. see M.C. Jones 174 (1984) 215
 Borthwick, A.C., W.H. Holms and H.G. Nimmo, Amino acid sequence round the site of phosphorylation in isocitrate dehydrogenase from *Escherichia coli* ML308 174 (1984) 112
 Brandt, W.F., H. Alk, M. Chauhan and C. von Holt, A simple modification converts the spinning cup protein sequencer into a vapour-phase sequencer 174 (1984) 228
 Breeze, A.L. see F. Mehraban 174 (1984) 116
 Broquet, P., M. Serres-Guillaumond, H. Baubichon-Cortay, M.-J. Peschard and P. Louisot, Subcellular localisation of cerebral fucosyltransferase 174 (1984) 43
 Brummer, B., H. Felle and R.W. Parish, Evidence that acid solutions induce plant cell elongation by acidifying the cytosol and stimulating the proton pump 174 (1984) 223
 Carlquist, M. see K. Tatemoto 174 (1984) 258
 Casara, P. see C. Danzin 174 (1984) 275
 Chafouleas, J. see D.D. Bikle 174 (1984) 30
 Chauhan, M. see W.F. Brandt 174 (1984) 228
 Chejanovsky, N., G.D. Eytan and A. Loyter, Fusion between Sendai virus envelopes and biological membranes as monitored by energy transfer methods 174 (1984) 304
 Chirgwin, J.M. see B.L. Sibanda 174 (1984) 102
 Clark, R.D., M.J. Hawkesford, S.J. Coughlan, J. Bennett and G. Hind, Association of ferredoxin-NADP⁺ oxidoreductase with the chloroplast cytochrome *b-f* complex 174 (1984) 137
 Cohen, A.M., R.E. Aberdroth and P. Hochstein, Inhibition of free radical-induced DNA damage by uric acid 174 (1984) 147
 Commissaire, J. see H. Hayes 174 (1984) 284
 Coote, P.R. see J.N. Wood 174 (1984) 143
 Coué, M. see A. Olomucki 174 (1984) 80
 Coughlan, S.J. see R.D. Clark 174 (1984) 137
 Culp, L.A. see R. Haas 174 (1984) 279
 Dabrowski, U. see G. Pfannschmidt 174 (1984) 55
 Damoder, R. and G.C. Dismukes, pH dependence of the multiline, manganese EPR signal for the 'S₂' state in PS II particles 174 (1984) 157
 Danzin, C. and P. Casara, α -Allenyl putrescine, an enzyme-activated irreversible inhibitor of bacterial and mammalian ornithine decarboxylases 174 (1984) 275
 Davidson, M.M.L. see R.J. Haslam 174 (1984) 90
 De Bony, J., G. Martin, M. Welby and J.F. Tocanne, Evidence for a homogeneous lateral distribution of lipids in a bacterial membrane 174 (1984) 1
 De Rycker, C., J.-L. Vandalem and G. Hennén, Effects of 3,5,3'-triiodothyronine on collagen synthesis by cultured human skin fibroblasts 174 (1984) 34
 Dianoux, A.C., A. Tsugita and M. Przybylski, Mass spectral identification of the blocker N-terminal tryptic peptide of the ATPase inhibitor from beef heart mitochondria 174 (1984) 151
 Dismukes, G.C. see R. Damoder 174 (1984) 157
 Doenges, K.H. see H. Faulstich 174 (1984) 128
 Dolly, J.O. see F. Mehraban 174 (1984) 116
 Dominy, W. see Sibanda, B.L. 174 (1984) 102
 Dose, K. see H.-J. Schäfer 174 (1984) 66
 Duranton, J. see B. Lagoutte 174 (1984) 24
 Egge, H. see G. Pfannschmidt 174 (1984) 55
 Elima, K. see E. Vuorio 174 (1984) 238

- Esaki, N. see S.A. Ahmed 174 (1984) 76
 Eytan, G.D. see N. Chejanovsky 174 (1984) 304
 Faulstich, H., C. Stournaras, K.H. Doenges and H.-P. Zimmermann, The molecular mechanism of interaction of Et_3Pb^+ with tubulin 174 (1984) 128
 Felle, H. see B. Brummer 174 (1984) 223
 Flatmark, T. see B. Langbakk 174 (1984) 300
 Fogliano, M. see B.L. Sibanda 174 (1984) 102
 Földes, I. see J. Minárovits 174 (1984) 208
 Garel, J.-M. see N. Segond 174 (1984) 86
 Gō, N. see S. Lee 174 (1984) 310
 Go, V.L.W. see K. Tatemoto 174 (1984) 258
 Goodsaid-Zalduondo, F. see W.L.C. Vaz 174 (1984) 199
 Gooley, P.R., J.W. Blunt and R.S. Norton, Conformational heterogeneity in polypeptide cardiac stimulants from sea anemones 174 (1984) 15
 Gower, D.B. see T.K. Kwan 174 (1984) 173
 Haas, R. and L.A. Culp, Binding of fibronectin to gelatin and heparin: effect of surface denaturation and detergents 174 (1984) 279
 Halldén, G. see K. Tatemoto 174 (1984) 289
 Hampel, J. see M. Wiederholt 174 (1984) 211
 Hanfland, P. see G. Pfannschmidt 174 (1984) 55
 Harris, H. see K. Ray 174 (1984) 294
 Hasegawa, T. see K. Yamanishi 174 (1984) 71
 Haslam, R.J. and M.M.L. Davidson, Guanine nucleotides decrease the free $[\text{Ca}^{2+}]$ required for secretion of serotonin from permeabilized blood platelets 174 (1984) 90
 Hawkesford, M.J. see R.D. Clark 174 (1984) 137
 Hayashi, T. see H. Tanaka 174 (1984) 61
 Hayes, H., J. Commissaire and J.-L. Bergere, A high-molecular-mass cell wall protein released from *Clostridium tyrobutyricum* by heat treatment 174 (1984) 284
 Hennen, G. see C. de Rycker 174 (1984) 34
 Herrera, F., N. Moreno and J.A. Martínez, An edeine-resistant mRNA-dependent protein synthesis system from a *Saccharomyces cerevisiae* mutant 174 (1984) 47
 Hester, R.E. see L. Sawyer 174 (1984) 219
 Hidaka, S., K. Ishikawa, Y. Takanami, S. Kubo and K. ichiro Miura, Complete nucleotide sequence of RNA 5 from cucumber mosaic virus (strain Y) 174 (1984) 38
 Hind, G. see R.D. Clark 174 (1984) 137
 Hobart, P.M. see B.L. Sibanda 174 (1984) 102
 Hochstein, P. see A.M. Cohen 174 (1984) 147
 Holms, W.H. see A.C. Borthwick 174 (1984) 112
 Huc, C. see A. Olomucki 174 (1984) 80
 Ishikawa, K. see S. Hidaka 174 (1984) 38
 Ito, O. see F. Mitsumori 174 (1984) 248
 Iwashima, A. see K. Yamanishi 174 (1984) 71
 Izumiya, N. see S. Lee 174 (1984) 310
 Jacobson, K. see W.L.C. Vaz 174 (1984) 199
 Janssens, P.M.W. see H.L.A. Pijst 174 (1984) 132
 Janusz, G. see G. Pfannschmidt 174 (1984) 55
 Johansson, C. see K. Tatemoto 174 (1984) 258
 Johnson, R.E. and P.H. Adams, ADP binds similarly to rigor muscle myofibrils and to actomyosin-subfragment one 174 (1984) 11
 Jones, C.W. see Jacqueline A. Quilter 174 (1984) 167
 Jones, M.C. and S.A. Boffey, Deoxyribonuclease activities of wheat seedlings 174 (1984) 215
 Jörnvall, H. see K. Tatemoto 174 (1984) 258
 Jörnvall, H. see K. Tatemoto 174 (1984) 289
 Jullienne, A. see N. Segond 174 (1984) 86
 Kagawa, Y. see H.-J. Schäfer 174 (1984) 66
 Kaptein, R. see E.R.P. Zuiderweg 174 (1984) 243
 Kato, T. see S. Lee 174 (1984) 310
 Kirschke, H., P. Ločnikar and V. Turk, Species variations amongst lysosomal cysteine proteinases 174 (1984) 123
 Knowler, J.T. see R.E. Muller 174 (1984) 253
 Kodera, Y. see S. Lee 174 (1984) 310
 Kohda, D., S. Yokoyama and T. Miyazawa, Thermostable valyl-tRNA, isoleucyl-tRNA and methionyl-tRNA synthetases from an extreme thermophile *Thermus thermophilus* HB8: protein structure and Zn^{2+} binding 174 (1984) 20
 Kopperschlager, G. see G. Birkenmeier 174 (1984) 162
 Kordowicz, M. see G. Pfannschmidt 174 (1984) 55
 Kovács, Z. see J. Minárovits 174 (1984) 208
 Kubo, S. see S. Hidaka 174 (1984) 38
 Kwan, T.K., N.F. Taylor, D. Watson and D.B. Gower, Identification of 16-dehydropregnenolone as an intermediate in 16-androstene biosynthesis in neonatal porcine testicular microsomes 174 (1984) 173
 Lagoutte, B., P. Stéf and J. Duranton, Tentative identification of the apoproteins of iron-sulfur centers of Photosystem I 174 (1984) 24
 Langbakk, B. and T. Flatmark, Demonstration and partial purification of lactoperoxidase from human colostrum 174 (1984) 300
 Lee, S., H. Mizuno, H. Nakamura, Y. Kodera, T. Kato, N. Gō and N. Izumiya, Conformations and CD curves of cyclo(L- or D-Phe-L-Pro-Aca): cyclized models for specific types of β -bends 174 (1984) 310
 Lefébure, F. see A. Olomucki 174 (1984) 80
 Lichko, L.P. and L.A. Okorokov, Some properties of membrane-bound, solubilized and reconstituted into liposomes H^+ -ATPase of vacuoles of *Saccharomyces carlsbergensis* 174 (1984) 233
 Ločnikar, P. see H. Kirschke 174 (1984) 123
 Louisot, P. see P. Broquet 174 (1984) 43
 Loyter, A. see N. Chejanovsky 174 (1984) 304
 Martin, G. see J. de Bony 174 (1984) 1
 Martínez, J.A. see F. Herrera 174 (1984) 47
 McDonald, T.J. see K. Tatemoto 174 (1984) 258
 Mehraban, F., A.L. Breeze and J.O. Dolly, Identification by cross-linking of a neuronal acceptor protein for dendrotoxin, a convulsant polypeptide 174 (1984) 116
 Minárovits, J., Z. Kovács and I. Földes, Homologies between a brain-specific identifier (ID) sequence and regions of Harvey murine sarcoma virus and Rous sarcoma virus genomes. Putative role of identifier sequences in the tissue specificity of malignant trans-

- formation by RNA tumor viruses 174 (1984) 208
- Mitsumori, F. and O. Ito, Phosphorus-31 nuclear magnetic resonance studies of photosynthesizing *Chlorella* 174 (1984) 248
- Miura, K.-ichiro see S. Hidaka 174 (1984) 38
- Miyaura, C. see H. Tanaka 174 (1984) 61
- Miyazawa, T. see D. Kohda 174 (1984) 20
- Mizuno, H. see S. Lee 174 (1984) 310
- Moreno, N. see F. Herrera 174 (1984) 47
- Muller, R.E. and J.T. Knowler, The synthesis of ribosomal RNA and ribosomal protein and their incorporation into ribosomes in the uterus of the oestrogen-stimulated immature rat 174 (1984) 253
- Munson, S. see D.D. Bikle 174 (1984) 30
- Musgrave, A. see H.L.A. Pijst 174 (1984) 132
- Mutt, V. see K. Tatemoto 174 (1984) 258
- Mutt, V. see K. Tatemoto 174 (1984) 289
- Nakamura, H. see S. Lee 174 (1984) 310
- Nimmo, H.G. see A.C. Borthwick 174 (1984) 112
- Norton, R.S. see P.R. Gooley 174 (1984) 15
- Oelkers, W. see M. Wiederholt 174 (1984) 211
- Okorokov, L.A. see L.P. Lichko 174 (1984) 223
- Olomucki, A., C. Huc, F. Lefebvre and M. Coué, Isolation and characterization of human blood platelet gelsolin 174 (1984) 80
- O'Shaughnessy, P.J. see R.W. Swann 174 (1984) 262
- Panchenko, M.P. and V.A. Tkachuk, Calmodulin activates adenylate cyclase from rabbit heart plasma membranes 174 (1984) 50
- Parish, R.W. see B. Brummer 174 (1984) 223
- Pearl, L. and T. Blundell, The active site of aspartic proteinases 174 (1984) 96
- Peschard, M.-J. see P. Broquet 174 (1984) 43
- Peter-Katalinić, J. see G. Pfannschmidt 174 (1984) 55
- Pfannschmidt, G., J. Peter-Katalinić, M. Kordowicz, H. Egge, Janusz Dabrowski, U. Dabrowski and P. Hanfland, Structures of fucose-containing ceramide pentasaccharides from the plasma of blood group O Le(a-b-) nonsecretors 174 (1984) 55
- Pickering, B.T. see R.W. Swann 174 (1984) 262
- Porter, D.G. see R.W. Swann 174 (1984) 262
- Przybylski, M. see A.C. Dianoux 174 (1984) 151
- Pulkkinen, J. see E. Vuorio 174 (1984) 238
- Pijst, H.L.A., R. van Driel, P.M.W. Janssens, A. Musgrave and H. van den Ende, Cyclic AMP is involved in sexual reproduction of *Chlamydomonas eugametos* 174 (1984) 132
- Quilter, Jacqueline A. and C.W. Jones, The organisation of methanol dehydrogenase and c-type cytochromes on the respiratory membrane of *Methylophilus methylotrophus* 174 (1984) 167
- Rathgeber, G. see H.-J. Schäfer 174 (1984) 66
- Ray, K., J. Vockley and H. Harris, Epitopes of human intestinal alkaline phosphatases, defined by monoclonal antibodies 174 (1984) 294
- Rhodes, J. see J.N. Wood 174 (1984) 143
- Ridgwell, K., M.J.A. Tanner and D.J. Anstee, The Rhesus (D) polypeptide is linked to the human erythrocyte cytoskeleton 174 (1984) 7
- Sawyer, L. and R.E. Hester, Resonance Raman spectroscopy of single crystals of bacterial cytochrome c_4 174 (1984) 219
- Schäfer, H.-J., P. Scheurich, G. Rathgeber, K. Dose and Y. Kagawa, Photoaffinity labeling of the coupling factor 1 from the thermophilic bacterium PS3 by 8-azido ATP 174 (1984) 66
- Scheek, R.M. see E.R.P. Zuiderweg 174 (1984) 243
- Scheurich, P. see H.-J. Schäfer 174 (1984) 66
- Segond, N., A. Jullienne, E.H. Tahri and J.-M. Garel, Calcitonin mRNA activity in young obese (fa/fa) Zucker rats 174 (1984) 86
- Serres-Guillaumond, M. see P. Broquet 174 (1984) 43
- Setif, P. see B. Lagoutte 174 (1984) 24
- Shiina, Y. see H. Tanaka 174 (1984) 61
- Sibanda, B.L., T. Blundell, P.M. Hobart, M. Fogliano, J.S. Bindra, Beryl W. Dominy and J.M. Chirgwin, Computer graphics modelling of human renin 174 (1984) 102
- Siimesmaa, S. see K. Tatemoto 174 (1984) 289
- Soda, K. see S.A. Ahmed 174 (1984) 76
- Stournaras, C. see H. Faulstich 174 (1984) 128
- Suda, T. see H. Tanaka 174 (1984) 61
- Swann, R.W., P.J. O'Shaughnessy, S.D. Birckett, D.C. Wathes, D.G. Porter and B.T. Pickering, Biosynthesis of oxytocin in the corpus luteum 174 (1984) 262
- Tahri, E.H. see N. Segond 174 (1984) 86
- Takanami, Y. see S. Hidaka 174 (1984) 38
- Tanaka, H. see S.A. Ahmed 174 (1984) 76
- Tanaka, H., T. Hayashi, Y. Shiina, C. Miyaura, E. Abe, Abe, and T. Suda, $1\alpha,25$ -Dihydroxyvitamin D_3 directly induces fusion of alveolar macrophages by a mechanism involving RNA and protein synthesis, but not DNA synthesis 174 (1984) 61
- Tanner, M.J.A. see K. Ridgwell 174 (1984) 7
- Tatemoto, K., H. Jörnvall, S. Siimesmaa, G. Halldén and V. Mutt, Isolation and characterization of cholecystokinin-58 (CCK-58) from porcine brain 174 (1984) 289
- Tatemoto, K., H. Jörnvall, T.J. McDonald, M. Carlquist, V.L.W. Go, C. Johansson and V. Mutt, Isolation and primary structure of human PHI (peptide HI) 174 (1984) 258
- Taylor, N.F. see T.K. Kwan 174 (1984) 173
- Tkachuk, V.A. see M.P. Panchenko 174 (1984) 50
- Tocanne, J.F. see J. de Bony 174 (1984) 1
- Tschechoniën, B. see G. Birkenmeier 174 (1984) 162
- Tsugita, A. see A.C. Dianoux 174 (1984) 151
- Turk, V. see H. Kirschke 174 (1984) 123
- Van den Ende, H. see H.L.A. Pijst 174 (1984) 132
- Van Driel, R. see H.L.A. Pijst 174 (1984) 132
- Vandalem, J.-L. see C. de Rycker 174 (1984) 34
- Vaz, W.L.C., F. Goodsaid-Zalduondo and K. Jacobson, Lateral diffusion of lipids and proteins in bilayer membranes 174 (1984) 199
- Viitanen, A.-M. see E. Vuorio 174 (1984) 238
- Vockley, J. see K. Ray 174 (1984) 294
- Von Holt, C. see W.F. Brandt 174 (1984) 228
- Vuorio, E., K. Elima, J. Pulkkinen and A.-M.

- Viitanen, Identification of messenger RNA
for human type II collagen 174 (1984) 238
- Wathes, D.C. see R.W. Swann 174 (1984) 262
- Watson, D. see T.K. Kwan 174 (1984) 173
- Welby, M. see J. de Bony 174 (1984) 1
- Wiederholt, M., J. Hampel, L. Belkien and W.
Oelkers, Aldosterone secretion, measure-
ments of membrane potential and intracellu-
lar potassium activity in the isolated adrenal
zone glomerulosa 174 (1984) 211
- Wood, J.N., P.R. Coote and J. Rhodes, Hydro-
cortisone inhibits prostaglandin production
but not arachidonic acid release from cultur-
ed macrophages 174 (1984) 143
- Wüthrich, K. see E.R.P. Zuiderweg 174 (1984) 243
- Yamanishi, K., T. Hasegawa and A. Iwashima,
Effects of vanadate on intracellular Ca^{2+}
redistribution and hexose transport across
plasma membrane in cultured mouse fibrob-
lasts 174 (1984) 71
- Yokoyama, S. see D. Kohda 174 (1984) 20
- Zimmermann, H.-P. see H. Faulstich 174 (1984) 128
- Zuiderweg, E.R.P., M. Billeter, R. Boelens,
R.M. Scheek, K. Wüthrich and R. Kaptein,
Spatial arrangement of the three α helices in
the solution conformation of *E. coli lac* re-
pressor DNA-binding domain 174 (1984) 243